Applied Photophysics B and Laser Chemistry © Springer-Verlag 1984

Contents

Albers, J., see Kukhtarev, N.V.,	Hermann, G., see Grexa, M., et al 145
Alcock, A. J., see Shields, H	Hintz, E., see Berres, W., et al 83
Alimpiev, S.S., Fuß, W., Kompa, K.L., Schwab, C., Wan,	Hunziker, H. E., see Whittaker, E. A., et al 105
C.: Multiphoton Absorption of Broad-Band CO ₂ Laser	Ikawa, Y., see Tsukakoshi, M., et al
Radiation by SF ₆ 1	Im Tkhek-de, see Bolotskikh, L. T., et al 249
Antoniuk, D. M., Seguin, H. J. J., Capjack, C. E.: Electrode	Ishikawa, Y., see Gauthier, M., et al 17:
Design for a Magnetically Stabilized Glow Discharge 155	Ja, Y. H.: On the Approximate Formulae and the Exact
Balykin, V. I., Letokhov, V. S., Minogin, V. G., Zueva,	Method to Compute Wavefront Reflectivity in
T. V.: Collimation of Atomic Beams by Resonant Laser	Degenerate Four-Wave Mixing (Erratum) 118
Radiation Pressure	Ja, Y. H.: On the Multiple-Root Problem when Solving
Bay, H. L., see Berres, W., et al 83	Directly the Nonlinear Coupled-Wave Equations for
Berres, W., Rusbüldt, D., Hintz, E., Bay, H.L.: An	Two-Wave Mixing in a Reflection Geometry 14
Investigation of Laser-Induced Fluorescence for Mea-	Ja, Y. H.: Using the Seventh-Order Numerical Method to
suring Velocity Distributions of Neutral Atoms Using	Solve First-Order Nonlinear Coupled-Wave Equations
a CW Dye Laser 83	for Degenerate Two-Wave and Four-Wave Mixing 21
Bjorklund, G. C., see Whittaker, E. A., et al 105	Jain, R. K., Stenersen, K.: Phase-Matched Four-Photon
Bolotskikh, L. T., Vysotin, A. L., Im Tkhek-de, Podavalo-	Mixing Processes in Birefringent Fibers 4
va, O.P., Popov, A.K.: Continuous-Wave Frequency	Johnson III, J. A., Ramaiah, R.: Phase Coherent Effects in
Mixing and UV Generation in Sodium Vapor 249	a Collisional Turbulent Plasma
Boscolo, I., Gallardo, J.: Small-Signal Gain of a Free	Kasuya, T., see Tsukakoshi, M., et al
Electron Laser in a Resonator Gaussian Mode 163	Köster, E., Kolbe, J., Mitschke, F., Mlynek, J., Lange, W.:
Brito Cruz, C. H., Palange, E., Marini, F. De: A Study of	Intracavity Resonant Degenerate 4-Wave Mixing in
the Self-Injected Laser for Subnanosecond Pulse Gene-	Atomic Sodium Vapor: Bistability in Phase Conjugation 20
ration	Kolbe, J., see Köster, E., et al
Brito Cruz, C. H., Loureiro, V., Tavares, A. D., Scalabrin,	Kompa, K. L., see Alimpiev, S. S., et al.
A.: Characteristics of a Wire preionized Nitrogen Laser	Kompa, K. L., see Wan, C., et al
with Helium as Buffer Gas	Krätzig, E., see Kukhtarev, N. V., et al
Broyer, M., Chevaleyre, J., Delacrétaz, G., Wöste, L.: CVL-	Külich, H. C., see Kukhtarev, N. V., et al 1
Pumped Dye Laser for Spectroscopic Application 31	Kukhtarev, N. V., Krätzig, E., Külich, H. C., Rupp, R. A.,
Burlamacchi, P., see Rivano V., et al	Albers, J.: Anisotropic Selfdiffraction in BaTiO ₃ 1
Capjack, C. E., see Antoniuk, D. M., et al	Kurata, S., see Tsukakoshi, M., et al
Caro, R. G., see Wisoff, P. J. K 65	Kutschke, K.O., see Gauthier, M., et al 17
Chevaleyre, J., see Broyer, M., et al	Lange, W., see Köster, E., et al
Cremer, C., Gerber, G.: Observation of Superfluorescence	Langhoff, H., see Walter, W., et al
and Stimulated Emission in Bi I after Nonresonant	Lasnitschka, G., see Grexa, M., et al 14
Two-Photon Pumping 7	Lee, T.C.: Optical-Gyroscope Application of Efficient
Delacrétaz, G., see Broyer, M., et al	Crossed-Channel Acoustooptic Devices
Duxbury, G., Petersen, J. C.: Optically Pumped Submilli-	Letokhov, V. S., see Balykin, V. I., et al
metre Laser Action in Formaldoxime and Ammonia 127	Loureiro, V., see Brito Cruz, C. H., et al
Flüggen, N., see Mitschke, F	Lucia, F. C. De, see Skatrud, D. D
Fuß, W., see Alimpiev, S.S., et al	Martini, F. De, see Brito Cruz, C. H., et al
Fuß, W., see Wan, C., et al	Mathur, B. P., see Rothe, E. W., et al 23
Gallardo, J., see Boscolo, I	Mazzinghi, P., see Rivano V., et al
Gauthier, M., Outhouse, A., Ishikawa, Y., Kutschke, K. O.,	Merkle, G., see Heppner, J., et al
Hackett, P. A.: Second-Stage Enrichment in the Laser	Minogin, V. G., see Balykin, V. I., et al
Separation of Carbon Isotopes	Mitschke, F., Flüggen, N.: Chaotic Behavior of a Hybrid
Gerber, G., see Cremer, C	Optical Bistable System without a Time Delay 5
Godone, A., see Weiss, C.O	Mitschke, F., see Köster, E., et al
Grexa, M., Hermann, G., Lasnitschka, G., Scharmann,	Mlynek, J., see Köster, E., et al
A.: Faraday Rotation in a Single-Mode Fiber with	Nachshon, Y., Tittel, F.K.: A New Blue-Green XeF
Controlled Birefringence	$(C \rightarrow A)$ Excimer Laser Amplifier Concept
Hackett, P. A., see Gauthier, M., et al 173	Nomiya, Y., see Tsukakoshi, M., et al
Heppner, J., Šolajić, Z., Merkle, G.: Bistability and Passive	Nunzi, J. M., Ricard, D.: Optical Phase Conjugation and
Q-Switching of a CO ₂ Laser with Saturable Absorber 77	Related Experiments with Surface Plasma Waves 20

Outhouse, A., see Gauthier, M., et al	173	Stankov, K. A., see Saltiel, S. M	45
Palange, E., see Brito Cruz, C. H., et al	95	Stenersen, K., see Jain, R.K.	49
Petersen, J. C., see Duxbury, G	127	Tavares, A.D., see Brito Cruz, C.H., et al 1	131
Podavalova, O. P., see Bolotskikh, L. T., et al	249	Telle, H. R.: Tunable CW Laser Oscillation of NdP ₅ O ₁₄ at	
Popov, A. K., see Bolotskikh, L. T., et al	249		195
	237	Tenne, R., Shatkay, M.: Photoelectrochemical Etching of	
	233	ZnS: Further Evidence for Non-Uniform Flow of	
	209		243
Rivano, V., Mazzinghi, P., Burlamacchi, P.: Energy Trans-			227
	71	Tsukakoshi, M., Kurata, S., Nomiya, Y., Ikawa, Y., Ka-	
Rothe, E. W., Mathur, B. P., Reck, G. P.: Effect of Reso-		suya, T.: A Novel Method of DNA Transfection by	
nant Laser Light Upon a Fast-Atom Charge-Exchange		Laser Microbeam Cell Surgery 1	135
	233		249
Rudolph, W., Wilhelmi, B.: Calculation of Light Pulses		Walter, W., Langhoff, H., Sauerbrey, R.: Improved Gain	
with Chirp in Passively Mode-Locked Lasers Taking		on the $Cl_2(D'^3\Pi_a - A'^3\Pi_a)$ Transition at 258 nm by	
into Account the Phase Memory of Absorber and		Halogen Donor Mixing	11
Amplifier	37	Wan, C., Zhou, J., Fuß, W., Kompa, K.L.: Indepen-	
Rupp, R. A., see Kukhtarev, N. V., et al	17	dently Controllable Multiline Emission from a TEA	
Rusbüldt, D., see Berres, W., et al	83	CO ₂ Laser	123
Saltiel, S. M., Stankov, K. A.: A Diffraction Grating Auto-		Wan, C., see Alimpiev, S.S., et al	1
correlator for Measurement of Single Ultrashort Light		Weiss, C.O., Godone, A.: High-Order Harmonic Mixing	
Pulse	45	with Schottky Diodes in the FIR Region	199
Sario, M. De: Effects of a Lossy Thin Plasma-Film on		Wendt, H. R., see Whittaker, E. A., et al	
Metal-Diffused LiNbO ₃ Optical Waveguides	23	Whitford, B.G.: Simultaneous Phase-Lock of Five CO.	
Sauerbrey, R., see Walter, W., et al.	11	Lasers to a Primary Cs Frequency Standard	119
	131	Whittaker, E. A., Wendt, H. R., Hunziker, H. E., Bjork-	
Scharmann, A., see Grexa, M., et al.		lund, G. C.: Laser FM Spectroscopy with Photochemical	
Schwab, C., see Alimpiev, S.S., et al.	1	Modulation. A Sensitive, High Resolution Technique	
Seguin, H. J. J., see Antoniuk, D. M., et al.	-	for Chemical Intermediates	105
Shatkay, M., see Tenne, R.		Wilhelmi, B., see Rudolph, W	37
Shields, H., Alcock, A.J. Xe ₂ Cl Fluorescence and Ab-	243	Wisoff, P.J.K., Caro, R.G.: A Superheated Na Cell for	
sorption in Self-Sustained Discharge XeCl Lasers	167	X-Ray Photoionization Experiments	65
Skatrud, D. D., Lucia, F. C. De: Excitation, Inversion, and	107	Wöste, L., see Broyer, M., et al	31
Relaxation Mechanisms of the HCN FIR Discharge		Zhou, J., see Wan, C., et al	123
Laser (Invited Paper)	170	Zueva, T. V., see Balykin, V. I., et al	149
Šolajić, Z., see Heppner, J., et al.	77	Index in Current Contents	
Souple, 2., see rieppiier, J., et al	//	muck in Current Contents	

